

Appl. No. 10/687,123
Amdt. Dated April 23, 2004
Reply to Office action of March 12, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) A tamper resistant mixture adjustment screw arrangement for a carburetor comprising:
 - a) a carburetor body having at least one adjustment screw threaded therein and projecting therefrom for adjusting the air/fuel mixture in the carburetor, said adjustment screw having a threaded shank and a head, said head being defined by an undulant, uneven side surface capable of being engaged and mated by an adjusting tool having a complimentary undulant, uneven surface for initially adjusting the air/fuel mixture in the carburetor; and
 - b) a blocking curb extending from said carburetor body to a level which at least substantially corresponds to a projecting extent of each said adjustment screw and being closely spaced to said head to prevent the screw from being turned by commonly available tools, but to permit said screw to be adjusted by said adjusting tool.
2. (original) A tamper resistant mixture adjustment screw arrangement according to claim 1, wherein said blocking curb is integral with said carburetor body and has an inside arcuate surface which is closely spaced to each head for at least a major portion of the side surface of each head.

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3. (original) A tamper resistant mixture adjustment screw arrangement according to claim 2, wherein said blocking curb extends beyond the projecting extent to each adjustment screw.

4. (original) A tamper resistant mixture adjustment screw according to claim 1, wherein said blocking curb comprises a sleeve surrounding said adjustment screw and being retained by a spring surrounding said threaded shank.

5. (original) A tamper resistant mixture adjustment screw arrangement according to claim 1, wherein said blocking curb comprises a series of posts extending from said carburetor body.

6. (original) A tamper resistant mixture adjustment screw arrangement according to claim 1, wherein said undulant, uneven side surface is a straight knurl surface.

7. (original) A tamper resistant mixture adjustment screw arrangement according to claim 1, wherein said undulant uneven side surface is a sinusoidal surface.

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8. (original) A tamper resistant mixture adjustment screw arrangement according to claim 1, wherein said undulant, uneven side surface is a gear or cog shape.

9. (previously presented) A tamper resistant mixture adjustment screw arrangement for a carburetor comprising:

a) a carburetor body having at least one adjustment screw threaded therein and projecting therefrom for adjusting the air-fuel mixture in the carburetor, said adjustment screw having a threaded shank and a head, said head being defined by an undulant, uneven side surface capable of being engaged and mated by an adjusting tool having a complimentary undulant, uneven surface for initially adjusting the air/fuel mixture in the carburetor; and

b) a blocking curb extending from said carburetor body and forming a chamber surrounding each said head, a cylindrical access opening for each head, each said access opening being axially aligned with a head and having a diameter slightly larger than a diameter of its axially aligned head to prevent said screw from being turned by commonly available tools, but to permit said screw to be adjusted by said adjusting tool.

10. (original) A tamper resistant mixture adjustment screw arrangement according to claim 9, wherein said undulant, uneven side surface is a straight knurl surface.

11. (original) A tamper resistant mixture adjustment screw arrangement according to claim 9, wherein said undulant uneven side surface is a sinusoidal surface.

12. (original) A tamper resistant mixture adjustment screw arrangement according to claim 9, wherein said undulant, uneven side surface is a gear or cog shape.

13. (currently amended) A method of adjusting a tamper resistant mixture adjustment screw arrangement comprising the steps of:

a) providing a carburetor body having at least one adjustment screw threaded therein and projecting therefrom adjusting the air/fuel mixture in the carburetor, said adjustment screw having a threaded shank and a head, said head being defined by an undulant, uneven side surface capable of being engaged and mated by an adjusting tool having a complimentary undulant, uneven surface for initially adjusting the air/fuel mixture in the carburetor;

b) providing a blocking curb extending from said carburetor body to a level which at least substantially corresponds to a projecting extent of each said adjustment screw and being closely spaced to said head to prevent the screw from being turned by commonly available tools, but to permit said screw to be adjusted by said adjusting screw;

c) inserting said adjustment tool into said blocking curb and mating the uneven side surface of the head with the complementary uneven surface of said adjusting tool;

d) performing an adjustment of said air/fuel mixture by turning said screw; and

e) removing said tool from said head and said blocking means.

14. (previously presented) A method of adjusting a tamper resistant mixture adjustment screw arrangement comprising the steps of:

a) providing a carburetor body having at least one adjustment screw threaded therein and projecting therefrom adjusting the air/fuel mixture in the carburetor, said adjustment screw having a threaded shank and a head, said head being defined by an undulant, uneven side surface capable of being engaged and mated by an adjusting tool having a complimentary undulant, uneven surface for initially adjusting the air/fuel mixture in the carburetor;

b) providing a blocking curb extending from said carburetor body and forming a chamber surrounding each said head, a cylindrical access opening for each head, each said access opening being axially aligned with a head and having a diameter slightly larger than a diameter of its axially aligned head to prevent said screw from being turned by commonly available tools, but to prevent said screw to be adjusted by said adjusting tool;

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- c) inserting said adjusting screw into said access opening and mating the uneven side surface of the head with the complementary uneven surface of said adjusting tool;
- d) performing an adjustment of said air/fuel mixture by turning said screw; and
- e) removing said tool from said head and said access opening.